

*populi*; and a very darkly marked specimen of *Pseudoterpna pruinata* (*cytisaria*). Mr. Hugh Main, the larva of a glow-worm. Mr. W. J. Kaye, a long series of *Morpho cytheris* (*thamyris*) taken by him at Castro Parana, South America. Dr. Chapman, rich brassy examples of *Anthrocera filipendulae*, and large specimens of *Pieris rapae* from near Hosphenthal, where the species is single-brooded. Mr. Sich, a specimen of *Aventia flexula* from Wisley, a series of *Coleophora albicosta* from Sheen, and a cocoon and imago of *Nepticula centifoliella*.—HENRY J. TURNER, *Hon. Secretary*.

---



---

ON THE BRITISH SPECIES OF *PHORA*.

BY JOHN H. WOOD, M.B.

(Continued from p. 202).

44 (1) *First costal division not greatly longer than the other two, at the most less than half as long again.*

45 (52) *Costal fringe short.*

46 (47) *Fore tarsi short and distinctly thickened, especially in male.*

♂ ♀. Thorax and abdomen black; frons distinctly but not highly glossy, rather broader than long (♂) not broader (♀), supra-antennal bristles small, the upper pair about in alignment with inner bristles of middle frontal row, the under pair seldom in view, hidden between the antennae, antennae rather small, palpi pale yellow; wings yellowish, costa and veins yellow, costa  $\frac{2}{3}$  wing length or rather more, costal cilia only moderately short, 1 distinctly longer than 2 + 3 but not half as long again, angle at fork large; legs yellowish-brown, all the joints of fore tarsi distinctly thickened (♂) slightly thickened (♀), tibial cilia fine and delicate; hypopygium small, with a few weak hairs but no bristles, ventral plate small and yellow, the yellow anal organ small, short and stout...

barely 1 mm. *tarsalis*, n. sp.

47 (46) *Fore tarsi slender.*

48 (49) *Legs brownish-black or black.*

♂ ♀. Thorax and abdomen black; frons slightly shining, scarcely broader than long, 4 nearly equal supra-antennal bristles, the upper ones rather outside an alignment with inner bristles of middle frontal row, the under ones nearer together and well in view, palpi yellow or dusky yellow; wings greyish, veins black, costa less than  $\frac{2}{3}$  wing length, fringe very short, 1 rather longer than 2 + 3, angle at fork fairly large; hind tibiae distinctly and somewhat sparsely ciliated; male abdomen stout, hypopygium small, neither bristly nor particularly hairy, the conspicuous ventral plate dusky yellow, broad and flap-like, anal organ black, short and stout...

1 mm. *brevicostalis*, n. sp.

49 (48) *Legs yellow.*

50 (51) *Thorax red or yellow. Tibial cilia very fine and indistinct.*

♂ ♀. Thorax red or yellow; abdomen reddish-grey rarely black, venter and hind margins of segments yellow; frons grey and strongly bristled, about

half as broad again as long, upper supra-antennal bristles large and rather inside an alignment with inner bristles of middle frontal row, lower ones minute, antennæ red, arista rather short—not twice the length of the frons, palpi pale yellow; wings and veins yellowish, costa about  $\frac{2}{3}$  wing length or rather more (♀), fringe only moderately short, almost bordering upon longish, 1 about  $\frac{1}{4}$  as long again as 2 + 3, angle at fork moderate, outer branch of 2nd thick vein angulated, and at the angle 1st thin vein leaves with a small but distinct curve; legs yellow, tip of hind femora dusky, upper knife-like edge of hind tibiæ deflected outwards a little below the middle, cilia very indistinct; hypopygium small and black, with a few hairs but no bristles, ventral plate yellowish, broad and reaching in the quiescent state to about the middle of the under-side, anal organ of a honey yellow, long and slender and with the pair of terminal bristles unusually small .....1—1½ mm. *lutescens*, n. sp.

51 (50) *Thorax black. Tibial cilia well developed.*

♂ ♀. Thorax and abdomen black; frons black, about  $\frac{1}{4}$  broader than long, upper supra-antennal bristles large and moderately approximated, under ones very small, antennæ black with arista of usual length, palpi yellow; wings yellowish-brown, costa barely  $\frac{2}{3}$  wing length, fringe short, 1 about  $\frac{1}{4}$  longer than 2 + 3, angle at fork moderate, 1st thin vein scarcely curved at its origin opposite the fork; legs yellow, hind femora stout and blackened at the tip, upper edge of hind tibiæ uniformly arched, cilia fairly large and not crowded; hypopygium in the two males before me retracted within the last abdominal segment, leaving in sight only a stout yellow anal organ .....1½ mm. *nigrescens*, n. sp.

52 (45) *Costal fringe long.*

53 (60) *Halteres yellow.*

54 (55) *Mesopleura bristly.*

♂ ♀. Thorax and abdomen black; frons about  $\frac{1}{3}$  broader than long, 4 large and nearly equal supra-antennal bristles, the upper ones approximated and the under ones close underneath and a little to the inner side of the upper, antennæ rather small, palpi yellow; wings yellowish-brown, costa  $\frac{2}{3}$  wing length or rather more, fringe remarkably long, 1 distinctly longer than 2 + 3 but not quite half as long again, angle at fork moderate, 1st thin vein leaves at the fork with a more distinct curve, especially in female, than usual in these small forms; legs brown, hind tibiæ bare and with a straight upper margin; hypopygium fairly large, without bristles or conspicuous hairs, the yellowish ventral plate reaches about to middle of under-side, anal organ of moderate size, dusky with a yellowish tip...

$\frac{3}{4}$  mm. *superciliata*, n. sp.

55 (54) *Mesopleura bare.*

56 (57) *Male hypopygium conspicuously white. Four large and nearly equal supra-antennal bristles.*

♂ ♀. Thorax black, sometimes with a more or less reddish tinge; abdomen either wholly black or black with the venter yellow, sometimes (♀) reddish-brown; frons black,  $\frac{1}{3}$  broader than long, supra-antennal bristles as

**NOTE.**—Subscriptions for 1910 (6s. per annum, post free) are now due, and should be paid to R. W. LLOYD, I. 5, Albany, Piccadilly, London, W.

It would be a great convenience to the Editors in keeping the accounts if these were paid promptly, as having to send reminders entails a considerable amount of extra work.

The Coloured Plates issued in September, 1909, and January, 1910, having been so much appreciated by our readers, a third (devoted to *Coleoptera*) was given with the September number. The Editors would be greatly obliged if the Subscribers to this Magazine would use their best endeavours to bring it to the notice of their entomological friends, and induce them to subscribe also.

---

## WATKINS & DONCASTER, Naturalists,

Keep in stock all Articles for Entomologists, Ornithologists, Botanists, &c.: Umbrella Net, 7/-; Folding Cane or Wire, 3/6, 4/-, 4/6; Plain Ring Net, 1/3, 2/-, 3/-; Pocket Boxes, 6d., 9d., 1/-, 1/6; Store Boxes, with Camphor Cells, 2/6, 3/6, 4/-, 5/-, 6/-; Zinc Pocket Boxes, 9d., 1/-, 1/6, 2/- Setting Boards, from 5d. to 1/10; Complete set of 14 boards, 10/6; Breeding Cages, 2/6, 4/-, 5/-, 7/6; Sugaring Tins, 1/6, 2/-; Sugaring Mixture, ready for use, 1/9 per tin; Setting Houses, 9/6, 11/6, 14/-; Glass Topped and Glass Bottomed Boxes, from 1/- per doz.; Zinc Killing Boxes, 9d., 1/-; Coleoptera Collecting Bottles, 1/6, 1/8; Collecting Box, containing 26 tubes (very useful for Coleopterists, Microscopists, &c.), 4/6; Brass Chloroform Bottle, 2/6.

Improved Pocket Pupa-digger in leather sheath (strongly recommended), 1/9; Steel Forceps, 1/6 to 3/- per pair; Pocket Lens, from 1/6 to 8/6.

Taxidermists' Companion, containing most necessary implements for skinning, 10/6 Scalpels, with ebony handles, 1/3; Fine Pointed Scissors, 2/- per pair; Brass Blow-pipe, 4d., 6d.; Egg Drills, 2d., 3d.; ditto, best quality, 9d. each; Botanical Vasculum, 1/6, 2/9, 3/6, 4/6; Label List of British Macro-Lepidoptera, with Latin and English Names, 1/6; List of British Lepidoptera (every species numbered), 1/-; or on one side for Labels, 2/-.

### SILVER PINS FOR COLLECTORS OF MICRO-LEPIDOPTERA, &c.,

as well as minute insects of all other families.

We stock various sizes and lengths of these Silver Pins, which have certain advantages over the entomological pins usually employed.

For instance, insects liable to become greasy and verdigrisy, like Sesiidæ, are best pinned on Silver pins, which will last much longer than the ordinary pins (whether enamelled black, or gilt, or silvered).

We shall be pleased to send pattern cards on application.

A large stock of British, European, and Exotic Lepidoptera, Coleoptera, and Birds' Eggs.

### ENTOMOLOGICAL PINS.

The "DIXON" LAMP NET (invaluable for taking Moths off street lamps without climbing the lamp posts), 3s. 6d.

### SHOW ROOM FOR CABINETS, &c.

36, STRAND, LONDON, W.C., ENGLAND.

*Birds and Mammals, &c., Preserved & Mounted by first-class workmen.*

Our New Price List (100 pp.) sent post free to any address on application.

CONTENTS.

	PAGE
Monopis weaverella, Scott (n. syn. = semispilotella, Strand), specifically distinct from <i>M. rusticella</i> , Hb. (with Plate).— <i>Eustace R. Bankes, M.A., F.E.S.</i> ...	221
Description of a new species of <i>Galerucella</i> .— <i>Rev. W. W. Fowler, D.Sc., M.A., F.L.S.</i> .....	228
Notes on various British Coleoptera.— <i>E. A. Newbery</i> .....	229
New Corsican and French Microlepidoptera ( <i>continued</i> ).— <i>Rt. Hon. Lord Walsingham, M.A., LL.D., F.R.S., &amp;c.</i> .....	231
Help-Notes towards the determination of British Tenthredinidæ. (27).— <i>Rev. F. D. Morice, M.A., F.E.S.</i> .....	232
<i>Hæmonia appendiculata</i> , Panz., and other water-beetles near Oxford— <i>James J. Walker, M.A., R.N., F.L.S.</i> .....	238
<i>Cryptomorpha desjardinsi</i> , Guér, in Glasgow.— <i>Anderson Fergusson</i> .....	238
<i>Smerinthus ocellatus</i> , L.—a tragedy!— <i>Eustace R. Bankes, M.A., F.E.S.</i> .....	238
<i>Lampronia (Incurvaria) tenuicornis</i> , Stn., in Inverness-shire.— <i>Id.</i> .....	239
Occurrence of <i>Trichoptilus paludum</i> , Zell., near Woking.— <i>H. G. Champion</i> ...	239
Oviposition of <i>Baccha</i> .— <i>Claude Morley, F.Z.S.</i> .....	240
REVIEW.—African Mimetic Butterflies: being descriptions and illustrations of the principal known instances of Mimetic Resemblance in the Rhopalocera of the Ethiopian Region: by <i>H. Eltringham, M.A., Cantab. et Oxon., F.E.S., F.Z.S.</i> .....	240
SOCIETY.—South London Entomological Society .....	242
On the British species of <i>Phora</i> ( <i>continued</i> ).— <i>John H. Wood, M.B.</i> .....	243

**D**R. STAUDINGER & BANG-HAAS, BLASEWITZ-DRESDEN, in their new Price List, No. LIII for 1910, offer more than 16,000 species of well-named LEPIDOPTERA, set or in papers, from all parts of the world, in finest condition; 1400 kinds of PREPARED LARVÆ; numerous LIVING PUPÆ, &c. Separate Price Lists for COLEOPTERA (26,000 species); HYMENOPTERA (3200 species), DIPTERA (2400), HEMIPTERA (2200), ORTHOPTERA (1100), NEUROPTERA (600), BIOLOGICAL OBJECTS (265).

PRICES LOW.      DISCOUNT FOR CASH ORDERS.

BRITISH AND EXOTIC LEPIDOPTERA.

TUESDAY & WEDNESDAY, OCTOBER 25TH & 26TH, at 1 o'clock each day.

**M**R. J. C. STEVENS will Sell by Auction at his Rooms, 38, King Street, Covent Garden, London, W.C., the Collection of British Lepidoptera formed by S. TURNER, Esq., comprising long series of well set specimens in the finest condition, many varieties, and some extinct species, including several *C. dispar*, *L. cænosa*, *H. palustris*, *D. barretti* from Cornwall, a fine variety of *T. fimbria*, &c., together with the handsome mahogany and other Cabinets in which they are arranged; also large and brilliant Exotic Lepidoptera and other insects.

Catalogues on application. On View day prior, 10 to 4, and Morning of Sale.

Second Series, No. 251.] NOVEMBER, 1910. [PRICE 6*d.* NET  
[No. 558.]

THE  
ENTOMOLOGIST'S  
MONTHLY MAGAZINE.

EDITED BY

G. C. CHAMPION, F.Z.S. J. E. COLLIN, F.E.S.

W. W. FOWLER, D.Sc., M.A., F.L.S.

R. W. LLOYD, F.E.S. G. T. PORRITT, F.L.S.

J. J. WALKER, M.A., R.N., F.L.S.

LORD WALSINGHAM, M.A., LL.D., F.R.S., &c.

---

SECOND SERIES—VOL. XXI.

[VOL. XLVI.]

---

“J'engage donc tous à éviter dans leurs écrits toute personnalité, toute allusion dépassant les limites de la discussion la plus sincère et la plus courtoise.”—*Laboulbène*.

---

LONDON :

GURNEY & JACKSON (MR. VAN VOORST'S SUCCESSORS),  
10, PATERNOSTER ROW, E.C.

SOLD IN GERMANY BY FRIEDLÄNDER UND SOHN, BERLIN.

NAPIER, PRINTER, SEYMOUR STREET, EUSTON SQUARE.

### CHANGE OF ADDRESS.

ROLAND TRIMEN, *from* 133, Woodstock Road, Oxford, *to* Southbury, Lawn Road, Guildford.

R. BECK, *from* Southampton, *to* Red Lodge, Portchester Road, Bournemouth.

### EXCHANGE.

*Duplicates*:—*Blethisa multipunctata*, *Harpalus caspius*, *Acupalpus flavicollis*, *Pæderus fuscipes*, *P. riparius*, *Elater sanguinolentus*, *Rhinoceyllus latirostris*, *Bruchus pisi*, *Anthicus salinus*, &c. *Desiderata*:—Local British Coleoptera.—A. FORD, South View, Irving Road, Bournemouth.

## REDUCED PRICES FOR BACK VOLUMES.

### FIRST SERIES.

This can only be obtained in complete Volumes (bound or unbound).

A limited number of sets, from Vol. x to Vol. xxv can still be obtained at £2 15s. per set net (in parts), or of five consecutive Vols. at £1 per set net (if bound, 1s. per Vol. extra).

Certain of the Vols. i to ix can be had separately at 10s. each.

The Editors will pay 2s. each for clean copies of Nos. 7, 9, 20, and 21.

### SECOND SERIES.

Vols. i to xv. are now offered at £3 per set net (in parts), or £1 2s. 6d. for five consecutive Vols. (if bound, 1/- per Vol. extra).

Apply to the Publishers.

### Scale of Charges for Advertisements.

Whole Page .....£3. Half Page ...£1 11s. 6d. Quarter Page.....17s.

Lowest charge, 7s. up to 5 lines; 1s. per line afterwards.

Repeated or continuous Advertisements per contract.

There is no charge for Lists of Duplicates and *Desiderata*.

All payments and applications for the above should be made to

R. W. LLOYD, I. 5, Albany, Piccadilly, W.

# “NATURE,”

A WEEKLY ILLUSTRATED JOURNAL OF SCIENCE. PRICE 6d.

“NATURE” contains Original Articles on all subjects coming within the domain of Science, contributed by the most eminent scientific writers of the day. It also contains Reviews of all recent scientific works; Correspondence Columns, which form a medium of scientific discussion and of intercommunication among men of Science; Accounts of the leading Scientific Serials; Abstracts of the more valuable papers which appear in foreign journals; Reports of the Proceedings of the Principal Scientific Societies and Academies of the World; and Notes on all matters of current scientific interest.

### SUBSCRIPTIONS TO “NATURE.”

	£	s.	d.	(To all places Abroad).	£	s.	d.
Yearly ... ..	1	8	0	Yearly ... ..	1	10	6
Half-Yearly ... ..	0	14	6	Half-Yearly ... ..	0	15	6
Quarterly ... ..	0	7	8	Quarterly ... ..	0	8	0

Money Orders to be made payable to MACMILLAN and CO., Ltd.

Office: St. Martin's Street, London, W.C.

in preceding species, antennæ black and rather small, palpi pale yellow; wings yellowish-brown, costa more than  $\frac{2}{3}$  wing length, fringe very long, 1 about  $\frac{1}{3}$  longer than 2 + 3, angle at fork moderate, 1st thin vein gently curved at its origin; legs yellow, hind femora darkened at tip, tibial cilia very fine and indistinct; hypopygium white with only the hind margin narrowly black, pubescence black, ventral plate large and white, anal organ black and of moderate size .....1—1 $\frac{1}{4}$  mm. *albicaudata*, n. sp.

57 (56) *Hypopygium black. Under pair of supra-antennal bristles minute.*

58 (59) *The marginal hairs on 6th abdominal segment very large and conspicuous.*

♂. Thorax and abdomen black; frons barely  $\frac{1}{3}$  broader than long, black, upper pair of supra-antennal bristles large and approximate, under pair minute, antennæ rather small and brown, palpi pale yellow; wings and veins pale yellowish-brown, costa more than  $\frac{2}{3}$  but considerably less than  $\frac{1}{2}$  wing length, 1 hardly longer than 2 + 3, angle at fork largish, 1st thin vein gently but distinctly curved at its origin from the fork; legs yellow, hind femora not darkened at the tip, their under-side with some moderately long and loose hairs on the basal half, tibial cilia rather small and numerous but distinct; the conspicuous hairs on the last abdominal segment (nearly as long as the segment itself) are 6 or 8 in number and disposed at regular intervals round the margin on its dorsal aspect, whilst irregularly grouped are 2 or 3 smaller ones at the edge of the venter on each side; hypopygium of moderate size, without bristles, ventral plate dusky, short and broad, anal organ papilla-like, yellow or dusky yellow...

1 $\frac{1}{4}$  mm. *spinicincta*, n. sp.

59 (58) *Without such hairs.*

♂ ♀. Thorax and abdomen black, the former occasionally with an obscure reddish tinge; frons and its bristles as in *spinicincta*, antennæ rather small, black or sometimes brown, palpi yellow; wings as in *spinicincta*, but rather darker with the veins browner and costa not more than  $\frac{2}{3}$  wing length; legs pale yellowish-brown, hind femora armed underneath as in *spinicincta*, tibial cilia larger and less numerous than in that species; hypopygium of moderate size, without bristles, ventral plate yellow and flap-like, reaching to middle of under-side, anal organ yellow and of ordinary proportions...

1 $\frac{1}{4}$  mm. *sylvatica*, n. sp.

60 (53) *Halteres black. Mesopleuræ bristly, or (hirticaudata) bare,*

61 (62) *Mesopleuræ bare.*

♂. Thorax and abdomen black; frons about  $\frac{1}{3}$  broader than long, hardly shining, upper supra-antennal bristles large and approximate, under ones minute, antennæ rather small, palpi brown; wings pale grey, costa fully  $\frac{2}{3}$  wing length, 1 longer but not greatly longer than 2 + 3, angle at fork moderate, 1st thin vein without appreciable curve at its origin; legs brownish-black, tibial cilia fine and delicate, fore tarsi slender; abdomen fringed as in *involuta* with strong bristly hairs on the last segment or two just above the venter, increasing in size from before backwards and continued in unreduced form on to the hypopygium, giving the latter a rough